

A method executed in an apparatus for generating graphics data indicating shape features of three-dimensional graphics based on X, Y and Z coordinate values, which includes the steps of generating a random number using the X and Y coordinate values of a plurality of shape specific points to determine a two-dimensional shape of the target three-dimensional graphics as seeds of random numbers, calculating a Z coordinate value of the shape specific point based on the generated random number and generating the graphics data based on the calculated Z coordinate value and the X and Y coordinate values of the specific points.